

Serial Number: 09/424,705

ENTERED

 Changed a file from non-ASCII to ASCII Changed the margins in cases where the sequence text was "wrapped" down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____. Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____. Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically:*Spelling of ANTIBODY in 61207 response* Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: Other:

1644-12

EXaminer: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1995

5 *Rock*
 RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/424,705

DATE: 03/21/2001
 TIME: 15:03:08

Input Set : A:\035280047US00.txt
 Output Set: N:\CRF3\03212001\I424705.raw

*Does Not Comply
 Corrected Diskette Needed*

4 <110> APPLICANT: LITTLE, MELVYN
 5 KIPRIYANOV, SERGEY
 6 MOLDENHAUER, GERHARD
 7 DEUTSCHES KREBSFORSCHUNGSZEUTRUM *Antibody*
 9 <120> TITLE OF INVENTION: MUTATED OKT3 *ANTIBODY*
 12 <130> FILE REFERENCE: 035280047US00
 14 <140> CURRENT APPLICATION NUMBER: 09/424,705
 15 <141> CURRENT FILING DATE: 2000-06-02
 17 <150> PRIOR APPLICATION NUMBER: PCT/DE98/01409
 18 <151> PRIOR FILING DATE: 1998-05-22
 20 <160> NUMBER OF SEQ ID NOS: 7
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 909
 26 <212> TYPE: DNA
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 30 <221> NAME/KEY: CDS
 31 <222> LOCATION: (28)...(900)
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 35 Met Lys Tyr Leu Leu Pro Thr Ala Ala
 36 1 5
 38 gct ggc ttg ctg ctg ctg gca gct cag ccg gcc atg gcg cag gtg cag 102
 39 Ala Gly Leu Leu Leu Ala Ala Gln Pro Ala Met Ala Gln Val Gln
 40 10 15 20 25
 42 ctg cag cag tct ggg gct gaa ctg gca aga cct ggg gcc tca gtg aag 150
 43 Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg Pro Gly Ala Ser Val Lys
 44 30 35 40
 46 atg tcc tgc aag gct tct ggc tac acc ttt act agg tac acg atg cac 198
 47 Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Arg Tyr Thr Met His
 48 45 50 55
 50 tgg gta aaa cag agg cct gga cag ggt ctg gaa tgg att gga tac att 246
 51 Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Tyr Ile
 52 60 65 70
 54 aat cct agc cgt ggt tat act aat tac aat cag aag ttc aag gac aag 294
 55 Asn Pro Ser Arg Gly Tyr Thr Asn Tyr Asn Gln Lys Phe Lys Asp Lys
 56 75 80 85
 58 gcc aca ttg act aca gac aaa tcc tcc agc aca gcc tac atg caa ctg 342
 59 Ala Thr Leu Thr Thr Asp Lys Ser Ser Ser Thr Ala Tyr Met Gln Leu
 60 90 95 100 105
 62 agc agc ctg aca tct gag gac tct gca gtc tat tac tgt gca aga tat 390
 63 Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala Arg Tyr
 64 110 115 120
 66 tat gat gat cat tac agc ctt gac tac tgg ggc caa ggc acc act ctc
 67 Tyr Asp Asp His Tyr Ser Leu Asp Tyr Trp Gly Gln Gly Thr Thr Leu
 68 125 130 135

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71	Thr	Val	Ser	Ser	Ala	Lys	Thr	Thr	Pro	Lys	Leu	Glu	Glu	Gly	Glu	Phe	
72																140	
																145	
																150	
74	tca	gaa	gca	cgc	gta	gat	atc	gtg	ctc	act	cag	tct	cca	gca	atc	atg	534
75	Ser	Glu	Ala	Arg	Val	Asp	Ile	Val	Leu	Thr	Gln	Ser	Pro	Ala	Ile	Met	
76																155	
																160	
																165	
78	tct	gca	tct	cca	ggg	gag	aag	gtc	acc	atc	acc	tgc	agt	gcc	agc	tca	582
79	Ser	Ala	Ser	Pro	Gly	Glu	Lys	Val	Thr	Met	Thr	Cys	Ser	Ala	Ser	Ser	
80																170	
																175	
																180	
																185	
82	agt	gta	agt	tac	atg	aac	tgg	tac	cag	cag	aag	tca	ggc	acc	tcc	ccc	630
83	Ser	Val	Ser	Tyr	Met	Asn	Trp	Tyr	Gln	Gln	Lys	Ser	Gly	Thr	Ser	Pro	
84																190	
																195	
																200	
86	aaa	aga	tgg	att	tat	gac	aca	tcc	aaa	ctg	gct	tct	gga	gtc	cct	gct	678
87	Lys	Arg	Trp	Ile	Tyr	Asp	Thr	Ser	Lys	Leu	Ala	Ser	Gly	Val	Pro	Ala	
88																205	
																210	
																215	
90	cac	ttc	agg	ggc	agt	ggg	tct	ggg	acc	tct	tac	tct	ctc	aca	atc	agc	726
91	His	Phe	Arg	Gly	Ser	Gly	Ser	Gly	Thr	Ser	Tyr	Ser	Leu	Thr	Ile	Ser	
92																220	
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94	ggc	atg	gag	gct	gaa	gat	gct	gcc	act	tat	tac	tgc	cag	cag	tgg	agt	774
95	Gly	Met	Glu	Ala	Glu	Asp	Ala	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Trp	Ser	
96																235	
																240	
																245	
98	agt	aac	cca	tcc	acg	ttc	ggc	tgc	ggg	aca	aag	ttg	gaa	ata	aac	cgg	822
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100																250	
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102	gct	gat	act	gca	cca	act	gga	tcc	gaa	caa	aag	ctg	atc	tca	gaa	gaa	870
103	Ala	Asp	Thr	Ala	Pro	Thr	Gly	Ser	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu	
104																270	
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																280	
106	gac	cta	aac	tca	cat	cac	cat	cac	cat	cac	taatctaga						909
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119	Ala	Gln	Pro	Ala	Met	Ala	Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Ala	Glu	
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121	Leu	Ala	Arg	Pro	Gly	Ala	Ser	Val	Lys	Met	Ser	Cys	Lys	Ala	Ser	Gly	
122						35			40					45			
123	Tyr	Thr	Phe	Thr	Arg	Tyr	Thr	Met	His	Trp	Val	Lys	Gln	Arg	Pro	Gly	
124						50			55					60			
125	Gln	Gly	Leu	Glu	Trp	Ile	Gly	Tyr	Ile	Asn	Pro	Ser	Arg	Gly	Tyr	Thr	
126	65					70			75					80			
127	Asn	Tyr	Asn	Gln	Lys	Phe	Lys	Asp	Lys	Ala	Thr	Leu	Thr	Thr	Asp	Lys	
128						85			90					95			
129	Ser	Ser	Ser	Thr	Ala	Tyr	Met	Gln	Leu	Ser	Ser	Leu	Thr	Ser	Glu	Asp	
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131 Ser Ala Val Tyr Tyr Cys Ala Arg Tyr Tyr Asp Asp His Tyr Ser Leu
 132 115 120 125
 133 Asp Tyr Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser Ala Lys Thr
 134 130 135 140
 135 Thr Pro Lys Leu Glu Glu Gly Glu Phe Ser Glu Ala Arg Val Asp Ile
 136 145 150 155 160
 137 Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly Glu Lys
 138 165 170 175
 139 Val Thr Met Thr Cys Ser Ala Ser Ser Val Ser Tyr Met Asn Trp
 140 180 185 190
 141 Tyr Gln Gln Lys Ser Gly Thr Ser Pro Lys Arg Trp Ile Tyr Asp Thr
 142 195 200 205
 143 Ser Lys Leu Ala Ser Gly Val Pro Ala His Phe Arg Gly Ser Gly Ser
 144 210 215 220
 145 Gly Thr Ser Tyr Ser Leu Thr Ile Ser Gly Met Glu Ala Glu Asp Ala
 146 225 230 235 240
 147 Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ser Asn Pro Phe Thr Phe Gly
 148 245 250 255
 149 Ser Gly Thr Lys Leu Glu Ile Asn Arg Ala Asp Thr Ala Pro Thr Gly
 150 260 265 270
 151 Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Ser His His His
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 167 Met Lys Tyr Leu Leu Pro Thr Ala Ala
 168 1 5
 170 gct ggc ttg ctg ctg gca gct cag ccg gcc atg gcg cag gtg cag 102
 171 Ala Gly Leu Leu Leu Ala Ala Gln Pro Ala Met Ala Gln Val Gln
 172 10 15 20 25
 174 ctg cag cag tct ggg gct gaa ctg gca aga cct ggg gcc tca gtg aag 150
 175 Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg Pro Gly Ala Ser Val Lys
 176 30 35 40
 178 atg tcc tgc aag gct tct ggc tac acc ttt act agg tac acg atg cac 198
 179 Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Arg Tyr Thr Met His
 180 45 50 55
 182 tgg gta aaa cag agg cct gga cag ggt ctg gaa tgg att gga tac att 246
 183 Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly Tyr Ile
 184 60 65 70
 186 aat cct acg cgt ggt tat act aat tac aat cag aag ttc aag gac aag 294
 187 Asn Pro Ser Arg Gly Tyr Thr Asn Tyr Asn Gln Lys Phe Lys Asp Lys

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Input Set : A:\035280047US00.txt
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190	gac aag gcc aca ttg act aca gac aaa tcc tcc agc aca gcc tac atg			342
191	Asp Lys Ala Thr Leu Thr Thr Asp Lys Ser Ser Ser Thr Ala Tyr Met			
192	90	95	100	105
194	caa ctg agc agc ctg aca tct gag gac tct gca gtc tat tac tgt gca			390
195	Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys Ala			
196	110	115	120	
198	aga tat tat gat gat cat tac agc ctt gac tac tgg ggc caa ggc acc			438
199	Arg Tyr Tyr Asp Asp His Tyr Ser Leu Asp Tyr Trp Gly Gln Gly Thr			
200	125	130	135	
202	act ctc aca gtc tcc tca gcc aaa aca aca ccc aag ctt ggc ggt gat			486
203	Thr Leu Thr Val Ser Ser Ala Lys Thr Thr Pro Lys Leu Gly Gly Asp			
204	140	145	150	
206	atc ttg ctc acc caa act cca gct tct ttg gct gtg tct cta ggg cag			534
207	Ile Leu Leu Thr Gln Thr Pro Ala Ser Leu Ala Val Ser Leu Gly Gln			
208	155	160	165	
210	agg gcc acc atc tcc tgc aag gcc agc caa agt gtt gat tat gat ggt			582
211	Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp Tyr Asp Gly			
212	170	175	180	185
214	gat agt tat ttg aac tgg tac caa cag att cca gga cag cca ccc aaa			630
215	Asp Ser Tyr Leu Asn Trp Tyr Gln Gln Ile Pro Gly Gln Pro Pro Lys			
216	190	195	200	
218	ctc ctc atc tat gat gca tcc aat cta gtt tct ggg atc cca ccc agg			678
219	Leu Leu Ile Tyr Asp Ala Ser Asn Leu Val Ser Gly Ile Pro Pro Arg			
220	205	210	215	
222	ttt agt ggc agt ggg tct ggg aca gac ttc acc ctc aac atc cat cct			726
223	Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His Pro			
224	220	225	230	
226	gtg gag aag gtg gat gct gca acc tat cac tgt cag caa agt act gag			774
227	Val Glu Lys Val Asp Ala Ala Thr Tyr His Cys Gln Gln Ser Thr Glu			
228	235	240	245	
230	gat ccg tgg acg ttc ggt gga ggc acc aag ctg gaa atc aaa cgg gct			822
231	Asp Pro Trp Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala			
232	250	255	260	265
234	gat gct gcg gcc gct gga tcc gaa caa aag ctg atc tca gaa gaa gac			870
235	Asp Ala Ala Ala Gly Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp			
236	270	275	280	
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239	Leu Asn Ser His His His His His			
240	285	290		
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246	<213> ORGANISM: Homo sapiens			
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Input Set : A:\035280047US00.txt
 Output Set: N:\CRF3\03212001\I424705.raw

253 Leu Ala Arg Pro Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly
 254 35 40 45
 255 Tyr Thr Phe Thr Arg Tyr Thr Met His Trp Val Lys Gln Arg Pro Gly
 256 50 55 60
 257 Gln Gly Leu Glu Trp Ile Gly Tyr Ile Asn Pro Ser Arg Gly Tyr Thr
 258 65 70 75 80
 259 Asn Tyr Asn Gln Lys Phe Lys Asp Lys Asp Lys Ala Thr Leu Thr Thr
 260 85 90 95
 261 Asp Lys Ser Ser Ser Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser
 262 100 105 110
 263 Glu Asp Ser Ala Val Tyr Tyr Cys Ala Arg Tyr Tyr Asp Asp His Tyr
 264 115 120 125
 265 Ser Leu Asp Tyr Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser Ala
 266 130 135 140
 267 Lys Thr Thr Pro Lys Leu Gly Gly Asp Ile Leu Leu Thr Gln Thr Pro
 268 145 150 155 160
 269 Ala Ser Leu Ala Val Ser Leu Gly Gln Arg Ala Thr Ile Ser Cys Lys
 270 165 170 175
 271 Ala Ser Gln Ser Val Asp Tyr Asp Gly Asp Ser Tyr Leu Asn Trp Tyr
 272 180 185 190
 273 Gln Gln Ile Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Asp Ala Ser
 274 195 200 205
 275 Asn Leu Val Ser Gly Ile Pro Pro Arg Phe Ser Gly Ser Gly Ser Gly
 276 210 215 220
 277 Thr Asp Phe Thr Leu Asn Ile His Pro Val Glu Lys Val Asp Ala Ala
 278 225 230 235 240
 279 Thr Tyr His Cys Gln Gln Ser Thr Glu Asp Pro Trp Thr Phe Gly Gly
 280 245 250 255
 281 Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala Ala Gly Ser
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 283 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Ser His His His His
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 285 His His
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 299 Met Lys Tyr Leu Leu Pro Thr Ala Ala
 300 1 5
 302 gct ggc ttg ctg ctg gca gct cag ccg gcc atg gcg cag gtg cag 102
 303 Ala Gly Leu Leu Leu Ala Ala Gln Pro Ala Met Ala Gln Val Gln
 304 10 15 20 25
 306 ctg cag cag tct ggg gct gag ctg gtg agg cct ggg tcc tca gtg aag 150

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/424,705

DATE: 03/21/2001
TIME: 15:03:10

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